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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/634,671	08/06/2003	Tsung-Jung Tsai	JP3007-US-0417	7163
7590		08/24/2004	EXAMINER	
Tsung-Jung Tsai		A, MINH D		
Box 8-24		ART UNIT		
235 Chung - Ho		2821		
Taipei Hsien,		PAPER NUMBER		
TAIWAN				

DATE MAILED: 08/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	Application No.		Applicant(s)	
	10/634,671		TSAI, TSUNG-JUNG	
	Examiner		Art Unit	
	Minh D A		2821	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 August 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2 and 4-7 is/are rejected.
- 7) ☒ Claim(s) 3 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-2, 4-7 are rejected under 35 U.S.C. 102(b) as being unpatentable by Krieger et al (US 2003/0141845).

Regarding claim 1, Krieger discloses a high frequency battery charge comprising the voltage booster (8) being connected between a power supply (21) and a headlight (see opto-isolator (62) having LED (63) and phototransistor (60-61) show on figures 4 and 5); the voltage booster (8) comprising a high frequency circuit (12), a voltage boost circuit (16), a -rectified circuit (19 or 20), and a high frequency control circuit (50). See figures 1-5, col.3, lines [0040] to col.7, lines [0070] to lines [0077].

Regarding claim 2, Krieger discloses a detection circuit (microprocessor can detect or current the voltage and current) and connected to (an opto-isolator (62) having LED(63) and phototransistor (60-61) and a selector (26 and 30) connected between the see opto-isolator (62) having LED (63) and phototransistor (60-61 and the power supply (21). See figures 3-5, col.3, lines [0040] to col.7, lines [0070] to lines [0077].

Regarding claim 4, Krieger discloses wherein a comparator is used with the relay for switching the power supply of the headlight. See figures 3-5.

Regarding claim 5, Krieger discloses a high frequency oscillating IC (58). See figure 4.

Regarding claim 6, Krieger discloses a modulator (22-23, 28 and 30) for modulating output voltages. See figure 1.

Regarding claim 7, Krieger discloses a microprocessor having a feedback circuit for regulating the load so as to determine the critical value of the selector. See figures 1-5.

Allowable Subject Matter

3. Claim 3 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art does not teach that, a DC current is supplied from the power supply end; then the current flows through two high frequency oscillators and then is boosted by boosting coils; then the current is rectified- by the diode as DC current and then is outputted from an output end.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hernander et al (US 5,404,082) and Mattas et al. (US 5,410,221) are cited to show a high frequency modulated lamp.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Minh A whose telephone number is (571) 272-1817. The examiner can normally be reached on M-F (5:30 –2:30 PM).

If attempts to reach the examiner by telephone is unsuccessful, the examiner's supervisor, Don Wong, can be reached on (571) 272-1834. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and (703) 872-9319 for final communications.

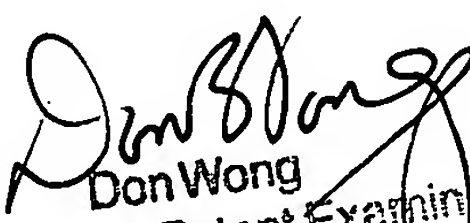
Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (571) 272-1553.

Examiner

Minh A

Art unit 2821

8/14/04


Don Wong
Supervisory Patent Examiner
Technology Center 2800